20 0400

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RAW SEQUENCE LISTING DATE: 01/17/2002 PATENT APPLICATION: US/10/032,482 TIME: 17:45:07

Input Set : N:\Crf3\RULE60\10032482.raw
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FEB 2 1 2002
 1 <110> APPLICANT: Cohen, Irun
        ROTTER, Varda
 2
                                                           TECH CENTER 1600/2900
        Wolkowicz, Roland
 3
        RUIZ, Pedro
        EREZ-ALON, Neta
        HERKEL, Johannes
 7 <120> TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS FOR INDUCTION OF ANTI-TUMOR
        IMMUNITY
 9 <130> FILE REFERENCE: COHEN42
10 <140> CURRENT APPLICATION NUMBER: 10/032,482
11 <141> CURRENT FILING DATE: 2002-01-02
13 <150> PRIOR APPLICATION NUMBER: US/09/445,602
14 <151> PRIOR FILING DATE: 2001-01-24
                                                        ENTERED
18 <150> PRIOR APPLICATION NUMBER: PCT/IL98/00266
19 <151> PRIOR FILING DATE: 1999-12-09
20 <150> PRIOR APPLICATION NUMBER: IL 121041
21 <151> PRIOR FILING DATE: 1997-06-09
22 <160> NUMBER OF SEQ ID NOS: 25
23 <170> SOFTWARE: PatentIn version 3.0
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27 <212> TYPE: PRT
28 <213> ORGANISM: Mus musculus
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        Gly Tyr Thr Phe Thr Ser Ser Trp Ile Asn Trp Val Lys Gln Arg Pro
33
34
        Gly Gln Gly Leu Glu Trp Ile Gly Glu Ile Asp Pro Ser Asp Ser Tyr
35
                                     40
36
        Thr Asn Tyr Asn Gln Asn Phe Lys Asp Lys Ala Thr Leu Thr Val Asp
37
38
        Lys Ser Ser Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu
39
                             70
                                                 75
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41
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46 <211> LENGTH: 103
47 <212> TYPE: PRT
48 <213> ORGANISM: Mus musculus
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RAW SEQUENCE LISTING DATE: 01/17/2002 PATENT APPLICATION: US/10/032,482 TIME: 17:45:07

Input Set : N:\Crf3\RULE60\10032482.raw
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50
         Phe Leu Ser Cys Ile Ser Gly Ala Glu Gly His His Leu Ile Gln Gly
51
52
         Gln Gln Lys Cys Gln Tyr Ile Trp Leu Tyr Tyr Met His Trp Asn Gln
53
54
         Gln Lys Pro Gly Gln Pro Pro Arg Leu Leu Ile Tyr Leu Val Ser Asn
55
                                     40
56
         Leu Glu Ser Gly Val Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr
57
                                 55
58
         Asp Phe Thr Leu Asn Ile His Pro Val Glu Glu Asp Ala Ala Thr
59
         Tyr Tyr Cys Gln His Ile Arg Glu Leu Thr Arg Ser Glu Gly Gly Pro
60
61
62
         Ser Trp Arg Ser Ile Arg Ile
63
                     100
65 <210> SEQ ID NO: 3
66 <211> LENGTH: 106
67 <212> TYPE: PRT
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69 <400> SEQUENCE: 3
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70
71
                                              10
72
         Gly Tyr Thr Phe Thr Asp Tyr Asn Met Asp Trp Val Lys Gln Ser His
73
         Gly Lys Ser Leu Glu Trp Ile Gly Asp Ile Asn Pro Asn Asn Gly Tyr
74
75
         Thr Ile Tyr Asn Gln Lys Val Lys Gly Lys Ala Thr Leu Thr Val Asp
76
77
         Lys Ser Ser Asn Thr Ala Tyr Met Glu Leu Arg Ser Leu Thr Ser Glu
78
79
         Asp Thr Ala Val Tyr Tyr Cys Val Arg Gly Gly Leu Lys Gly Tyr
80
81
82
         Pro Phe Val Tyr Trp Gly Gln Gly Thr Thr
83
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88 <213> ORGANISM: Mus musculus
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92 <223> OTHER INFORMATION: Xaa is any amino acid.
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RAW SEQUENCE LISTING DATE: 01/17/2002 PATENT APPLICATION: US/10/032,482 TIME: 17:45:07

Input Set : N:\Crf3\RULE60\10032482.raw
Output Set: N:\CRF3\01172002\J032482.raw

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     102
               Trp Phe Gln Gln Lys Pro Gly Thr Ser Pro Lys Leu Trp Ile Tyr Ser
     103
               Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ile Gly Ser Gly
     104
     105
                                            40
               Ser Gly Thr Ser Xaa Ser Leu Thr Ile Ser Arg Met Glu Ala Glu His
W--> 106
     107
                                        55
               Ala Ala Thr Tyr Tyr Cys Gln Gln Arg Ser Ser Phe Pro Phe Thr Tyr
     108
                                    70
     109
W--> 110
               Gly Ser Gly Thr Lys Xaa Glu Ile Gln Xaa Asp Pro
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     115 <212> TYPE: PRT
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     117 <400> SEQUENCE: 5
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     119
     120
               Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Tyr Met Asn
     121
                           20
                                                25
               Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp Ile Gly Asp Ile
     122
     123
                                            40
               Tyr Pro Asn Asn Gly Phe Thr Thr Tyr Asn Gln Lys Phe Lys Gly Lys
     124
     125
               Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr Asn Glu Leu
     126
     127
               Arg Asn Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala Arg Ser
     128
     129
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               Gly Ser Arg Phe Asp Tyr Trp Gly Gln Gly Thr Thr Val His Arg
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     138
     139
     140
               Gly Asp Ser Val Ser Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Asn
     141
     142
               Asn Leu His Trp Tyr Gln Gln Lys Ser His Glu Ser Pro Arg Leu Leu
     143
               Ile Lys Phe Ala Ser Gln Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser
     144
     145
     146
               Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Ser Val Glu
     147
                                   70
                                                        75
               Thr Glu Asp Phe Gly Val Tyr Phe Cys Gln Gln Ser Asn Ser Trp Pro
     148
     149
               Val His Ala Arg Gly Gly Gly Thr Lys Leu Glu Asn Leu
     150
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RAW SEQUENCE LISTING DATE: 01/17/2002 PATENT APPLICATION: US/10/032,482 TIME: 17:45:07

Input Set : N:\Crf3\RULE60\10032482.raw
Output Set: N:\CRF3\01172002\J032482.raw

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                                               10
          Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Tyr Tyr Met His
160
161
          Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly Trp Ile
162
163
          Asp Pro Glu Asn Gly Asp Thr Glu Tyr Ala Pro Lys Phe Gln Gly Lys
164
165
                                  55
          Ala Thr Met Thr Ala Asp Thr Ser Ser Asn Thr Ala Tyr Leu Gln Leu
166
167
          Ser Ser Leu Ala Ser Glu Asp Thr Ala Val Tyr Tyr Cys Asn Phe Tyr
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                                               90
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175 <212> TYPE: PRT
176 <213> ORGANISM: Mus musculus
177 <400> SEQUENCE: 8
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179
180
          Ile Gly Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu
181
          Asp Ser Asp Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Arg Pro Gly
182
183
                                      40
          Gln Ser Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Ser Gly
184
185
          Val Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu 🧳
186
187
                              70
                                                   75
          Lys Ile Asn Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Trp
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190
191
                                           105
193 <210> SEQ ID NO: 9
194 <211> LENGTH: 17
195 <212> TYPE: PRT
196 <213> ORGANISM: Mus musculus
197 <400> SEQUENCE: 9
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198
199
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200
         Asp
202 <210> SEQ ID NO: 10
203 <211> LENGTH: 9
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DATE: 01/17/2002

TIME: 17:45:07 PATENT APPLICATION: US/10/032,482 Input Set : N:\Crf3\RULE60\10032482.raw Output Set: N:\CRF3\01172002\J032482.raw 205 <213> ORGANISM: Mus musculus 206 <400> SEQUENCE: 10 Leu Leu Arg Tyr Phe Ala Met Asp Tyr 208 210 <210> SEQ ID NO: 11 211 <211> LENGTH: 8 212 <212> TYPE: PRT 213 <213> ORGANISM: Mus musculus 214 <400> SEQUENCE: 11 Gln His Ile Arg Glu Leu Thr Arg 215 216 218 <210> SEQ ID NO: 12 219 <211> LENGTH: 17 220 <212> TYPE: PRT 221 <213> ORGANISM: Mus musculus 222 <400> SEQUENCE: 12 Asp Ile Asn Pro Asn Asn Gly Tyr Thr Ile Tyr Asn Gln Lys Val Lys 223 224 Gly 225 227 <210> SEQ ID NO: 13 228 <211> LENGTH: 11 229 <212> TYPE: PRT 230 <213> ORGANISM: Mus musculus 231 <400> SEQUENCE: 13 Gly Gly Gly Leu Lys Gly Tyr Pro Phe Val Tyr 232 233 1 235 <210> SEQ ID NO: 14 236 <211> LENGTH: 9 237 <212> TYPE: PRT 238 <213> ORGANISM: Mus musculus 239 <400> SEQUENCE: 14 Gln Gln Arg Ser Ser Phe Pro Phe Thr 240 241 1 5 243 <210> SEQ ID NO: 15 244 <211> LENGTH: 17 245 <212> TYPE: PRT 246 <213> ORGANISM: Mus musculus 247 <400> SEQUENCE: 15 248 Asp Ile Tyr Pro Asn Asn Gly Phe Thr Thr Tyr Asn Gln Lys Phe Lys 249 10 1 250 Gly 252 <210> SEQ ID NO: 16 253 <211> LENGTH: 7 254 <212> TYPE: PRT 255 <213> ORGANISM: Mus musculus 256 <400> SEQUENCE: 16 257 Ser Gly Ser Arg Phe Asp Tyr 258 260 <210> SEQ ID NO: 17

RAW SEQUENCE LISTING

VERIFICATION SUMMARY

DATE: 01/17/2002 TIME: 17:45:08

PATENT APPLICATION: US/10/032,482

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